

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT US 13 BUSINESS (N. SALISBURY BOULEVARD) AND ISABELLA STREET IN WICOMICO COUNTY. APS WILL BE INSTALLED ACROSS THE NORTH LEG AND THE MAINLINE SET BACK DETECTION WILL BE REPLACED WITH NON-INVASIVE MICROLOOP PROBES. US 13 BUSINESS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING NB EXCLUSIVE/PERMISSIVE LEFT TURN, SB AND EB PRE-EMPTION, AND SIDE STREET SPLIT PHASES WILL REMAIN. THE ALTERNATE SIDE STREET PEDESTRIAN PHASE WILL REMAIN FOR PHASE 4.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET, CONTROLLER, EQUIPMENT AND ASSOCIATED HARNESSSES SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL ONE (1) 2 WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

APS WILL FUNCTION AS FOLLOWS:

FOR N. SALISBURY BOULEVARD

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS N. SALISBURY, WAIT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

THE CONTACT PERSONS FOR DISTRICT #1 / OOTS ARE AS FOLLOWS:

District 1

Mr. Gene Coffell  
Assistant District Engineer - Traffic  
Phone: 410-677-4040

Mr. Bruce Poole  
District Utility Engineer  
Phone: 410-677-4082

Mr. Wayne Welchman  
Assistant District Engineer - Maintenance  
Phone: 410-677-4010

Mr. Ravindra Ganvir  
Assistant District Engineer - Construction  
Phone: 410-677-4020

Office Of Traffic & Safety

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630

Mr. Edward Rodenhizer  
Team Leader, Signal Operations  
Phone: 410-787-7650

Mr. Eugene Bailey  
Team Leader, Sign Operations  
410-787-7670

The Power Company Representative is:  
Delmarva Power  
2530 N. Salisbury Blvd.  
Salisbury, Maryland 21801  
1-800-375-7117

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	2 SF	SHEET ALUMINUM SIGNS: 2 EA - R10-3(1) (9 IN. x 15 IN.) "N. SALISBURY BLVD."

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
---------------	----------	-------------

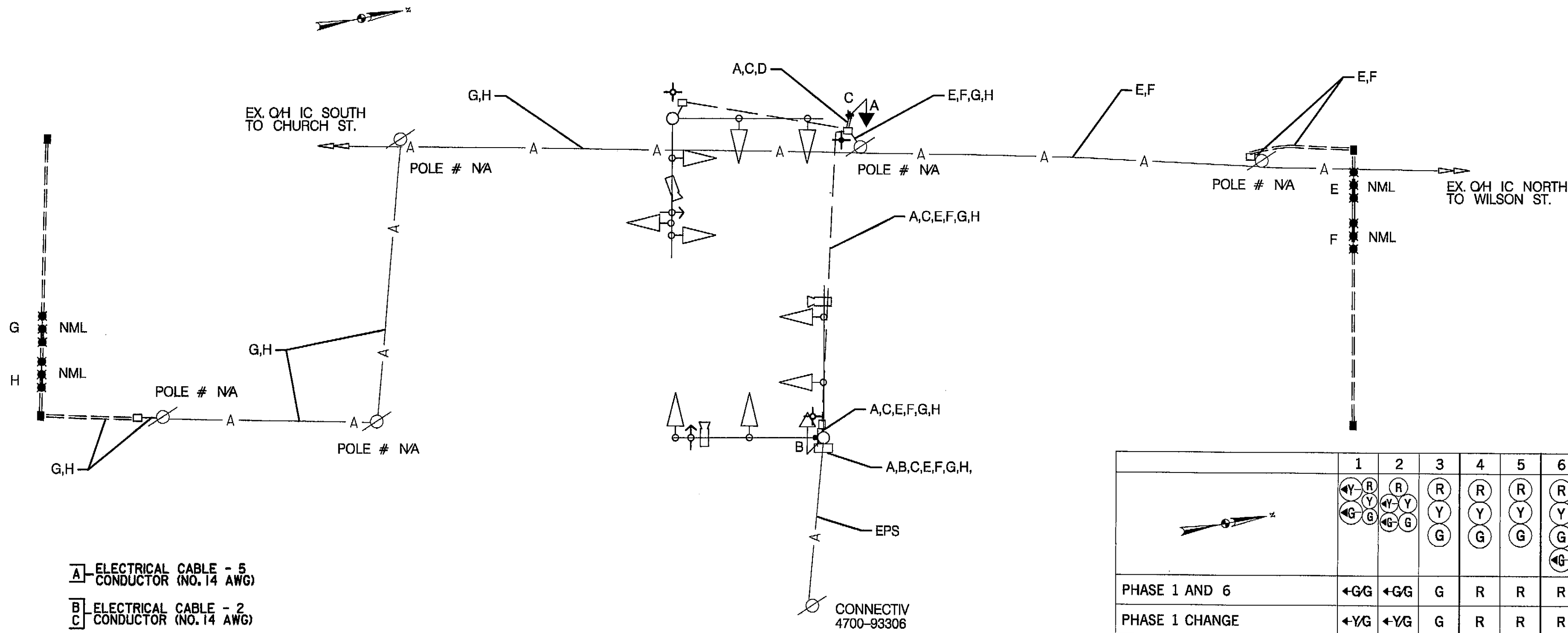
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
203030	2 CY	TEST PIT EXCAVATION
585621	130 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	40 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	175 LF	REMOVAL OF EXISTING PAVEMENT MARKINGS - ANY WIDTH
800000	1 EA	2 WIRE CENTRAL CONTROL UNIT
800000	2 EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON
800000	1 EA	REMOVE & DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
801004	1 CY	CONCRETE FOR SIGNAL FOUNDATION
802145	3 EA	ADJUST EXISTING HANDHOLE
802501	10 LF	NO. 6 STRANDED BARE COPPER GROUND WIRE
805135	125 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805150	145 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
810605	4 EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD-IN CABLE
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	2 SF	INSTALL OVERHEAD SIGN
818004	1 EA	10 FOOT BREAKAWAY PEDESTAL POLE
837001	1 EA	GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
860265	1 EA	RELOCATE EXISTING SIGNAL HEAD
861105	135 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	125 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

WIRING DIAGRAM



A- ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

B- ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

D- NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

E, F, G, H- NONINVASIVE DETECTOR, 1000 FOOT LEAD-IN CABLE

EPS- EXISTING POWER SERVICE

NML- NONINVASIVE MICROLOOP DETECTOR

EXISTING GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH

PROPOSED GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH

	1	2	3	4	5	6	7	8	9	10	11	
	Y	R	R	R	R	R	R	R	R	R	R	
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	DW	DW	
PHASE 1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	
PHASE 3	R	R	R	R	R	+GG	G	R	R	DW	DW	
PHASE 3 CHANGE	R	R	R	R	R	Y	Y	R	R	DW	DW	
PHASE 4	R	R	R	R	R	R	+GG	G	DW	DW		
PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW		
PHASE 4 ALT.	R	R	R	R	R	R	+GG	G	WK	WK		
PHASE 4 ALT. PED CLEARANCE	R	R	R	R	R	R	+GG	G	FLDW	FLDW		
PHASE 4 ALT. CHANGE	R	R	R	R	R	R	Y	Y	DW	DW		
PRE-EMPTION 01	R	R	R	G	G	R	R	R	R	DW	DW	
PRE-EMPTION 01 CHANGE	R	R	R	Y	Y	R	R	R	R	DW	DW	
PRE-EMPTION 02	R	R	R	R	R	+GG	G	R	R	DW	DW	
PRE-EMPTION 02 CHANGE	R	R	R	R	R	Y	Y	R	R	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

**STV**  
STV Incorporated  
7125 Ambassador Road, Suite 200  
Baltimore, MD 21244  
www.stvinc.com

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 13 BUS. (N. SALISBURY BOULEVARD)  
AT ISABELLA STREET  
SALISBURY, MARYLAND

GENERAL INFORMATION

SCALE 1" = 20' ADVERTISED DATE 09/20/10 CONTRACT NO. W3285274

DESIGNED BY MCG COUNTY WICOMICO  
DRAWN BY MCG LOGMILE 22801305.77  
CHECKED BY BAB TMS NO. I-155  
F.A.P. NO. TOD NO.

TS NO.1943-E-GI DRAWING SG-02 OF 02 SHEET NO. OF